

XP-002101841

Y/1 - (C) WPI / DERWENT
AN - 92-429826 q32!
AP - JP910122739 910424
PR - JP910122739 910424
TI - Polyester porous film for medical materials - prepd.
from copolymer contg. 3- and 4-hydroxybutylate by
controlling drying rate of solvent
IW - POLYESTER POROUS FILM MEDICAL MATERIAL PREPARATION
COPOLYMER CONTAIN HYDROXY BUTYLATE CONTROL DRY RATE
SOLVENT
PA - (JAPG) NIPPON ZEON KK
PN - JP4326932 A 921116 DW9252 B01D71/48 006pp
ORD - 1992-11-16
IC - B01D71/48
FS - CPI
DC - A23 A88 A96 D16 D22 U01
AB - J04326932 The film is produced by flowing a soln. of
polyester copolymer having 3-hydroxybutylate unit (3
HB) and 4-hydroxybutylate unit (4 HB), and controlling
the drying rate of the solvent. The steam permeability
of the film is at least 0.5 kg/m2/2 hrs.
- USE/ADVANTAGE - No mixing of additives and does not
change its polymer material by heating. Useful for
medical materials.
- In an example, a 3 HB - 4 HB copolymer was produced by
using Alcaligenese utrophus (ATCC 17699). It was
dissolved in chloroform and poured into a glass dish.
The air drying rate of solvent was controlled by the
temp. and closure degree of the cover of the glass
dish. The film obtd. was flaked from the dish and
vacuum dried at room temp. for 24 hours. When 3 w/v %
polymer 45 ml was used and dried for 3 days, the film
obt'd. was 280 microns thick and its steam permeability
was 2.50 kg/m2/24 hrs. (Dwg.0/2)

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